

SYSTEM **P**LANNING & **A**NALYSIS **R**EPORT

S - 97

T. H. 97
T. H. 61 TO T. H. 95

S. P. 8212

MAY, 1972

PREPARED BY
OFFICE OF SYSTEM PLANNING



**MINNESOTA
DEPARTMENT
OF HIGHWAYS**

DEPARTMENT HIGHWAY-Statewide Plan.
Room 807 Ext. 3158

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: May 8, 1972

FROM : Morris Gildemeister, Chief
Statewide Planning Section

SUBJECT: T.H. 97, T.H. 61 to T.H. 95
S.P. 8212
System Planning & Analysis Report S-97

The Statewide Planning Section transmits this report in response to K. K. McRae's October 29, 1971 request for the 1985 ADT, DHV, and HCADT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4 and 5:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCADT

Segment 1, with a 1985 ADT of 4200, has the highest ADT on the project section of T.H. 97. This segment has a 1970 ADT of 1100 vehicles.

The basic data, method, and assumptions used to prepare this report are presented on page 6.

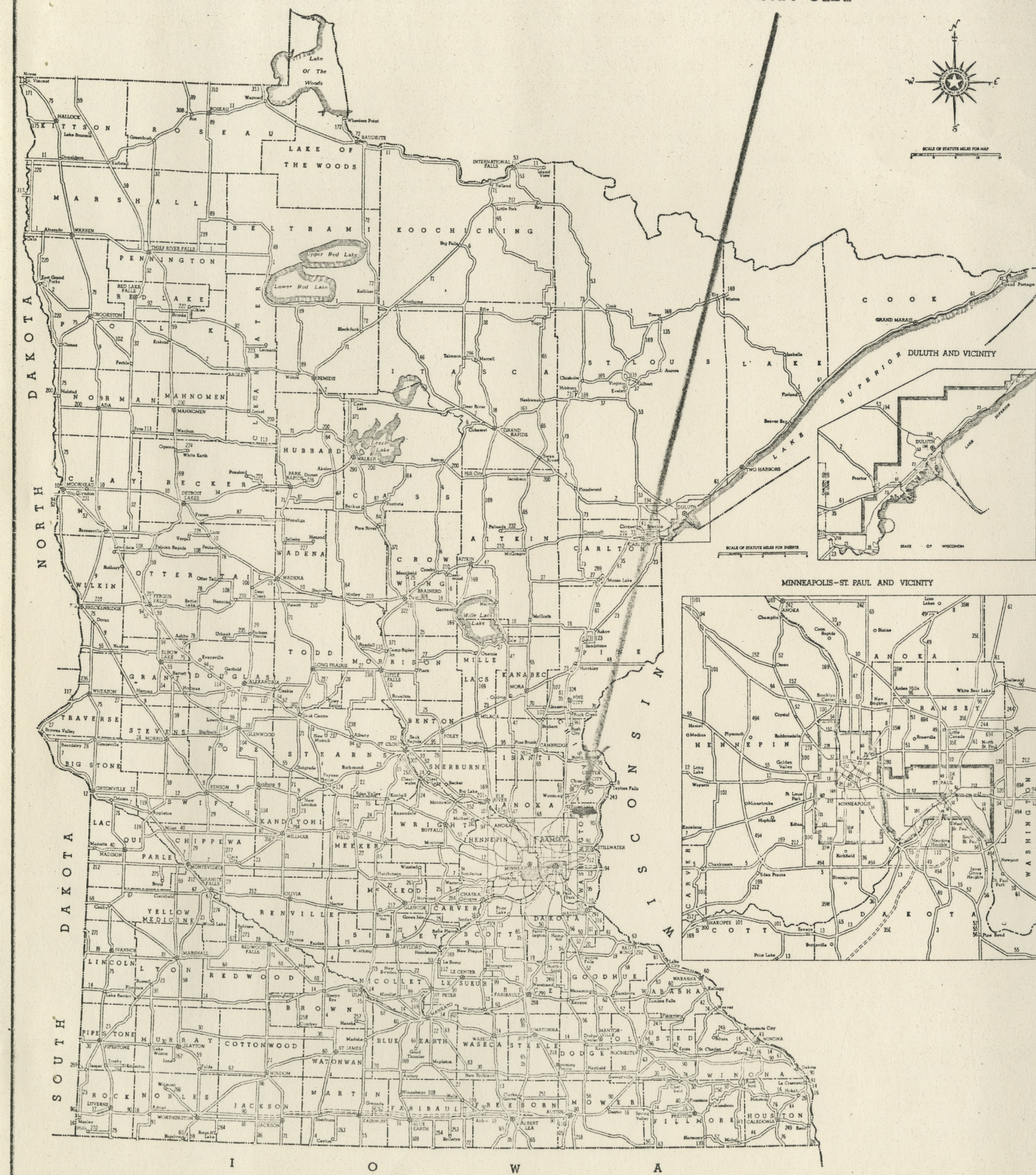
Morris Gildemeister

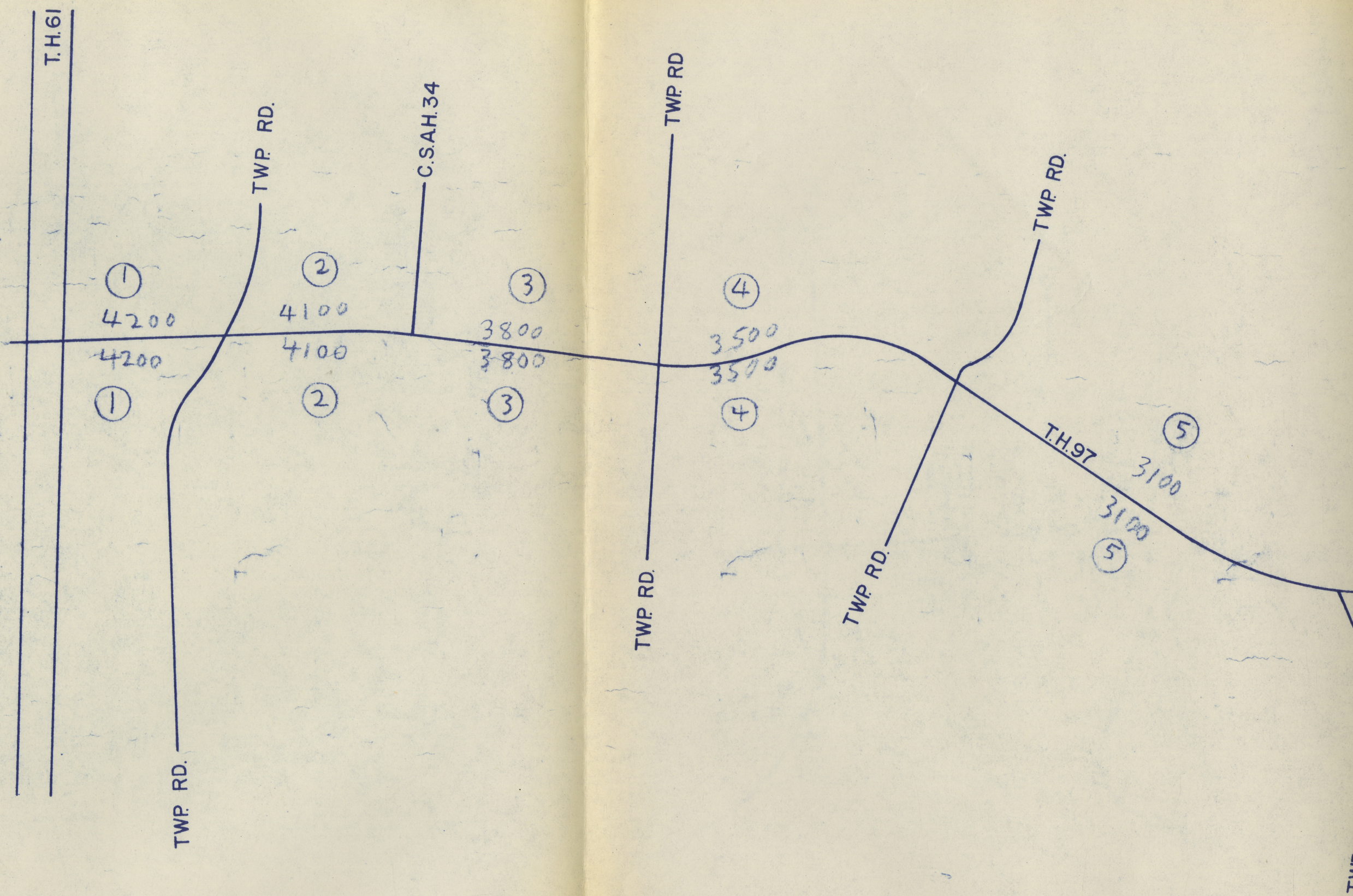
Morris Gildemeister, Chief
Statewide Planning Section

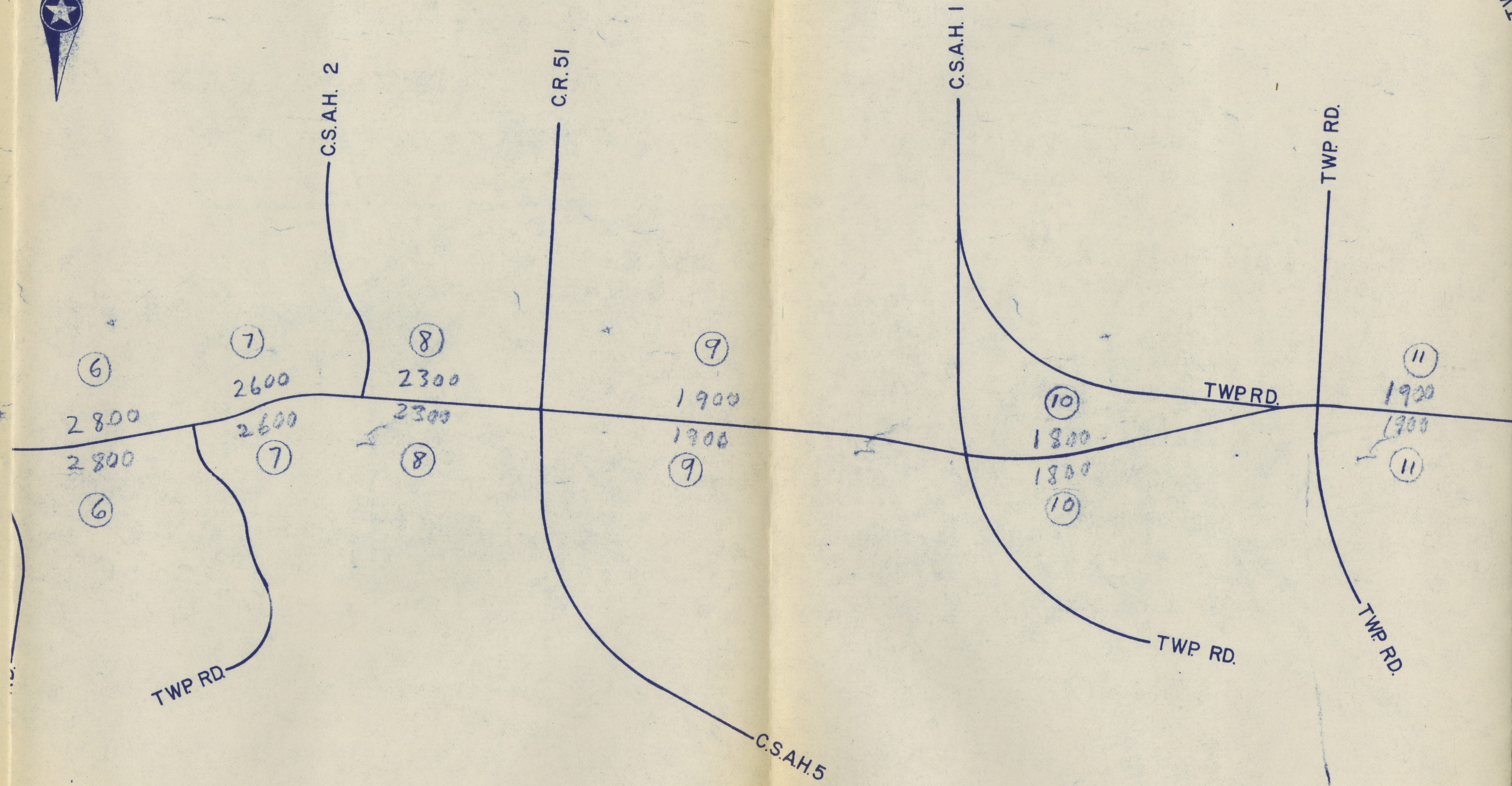
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STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
S.P. 8212







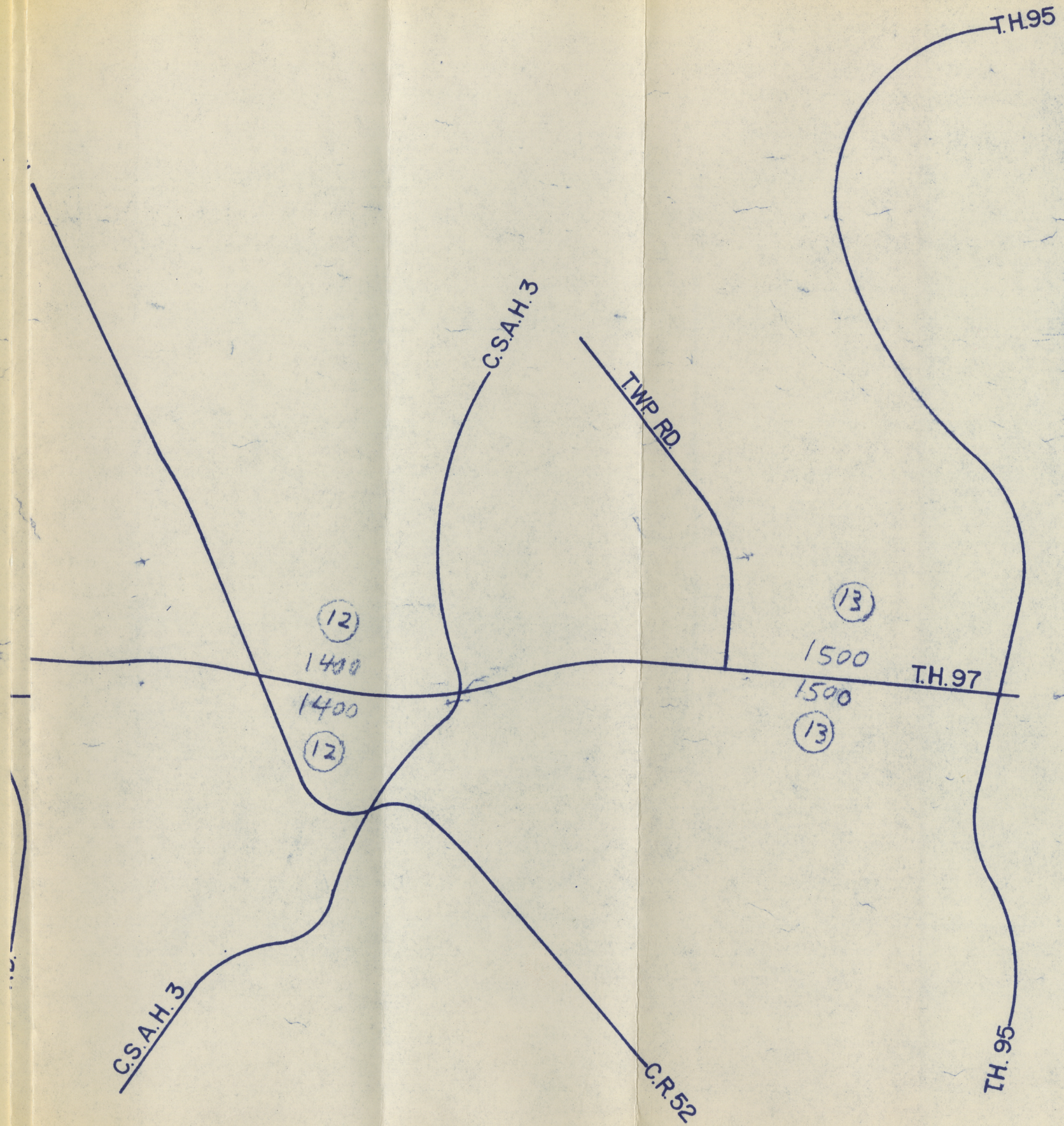
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May, 1972

T.H. 97
T.H. 61 to T.H. 95

S.P. 8212

Legend
Segment Number . . . (13)
1985 One-Way ADT . . . 1500

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TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 2

FOR

T.H. 97 S.P. 8212 LENGTH -- MILESCOUNTY Washington LOCATION T.H. 61 to T.H. 95

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	3947	3849	3556	3264	2898	2624	2441	2167	1795	1703	1795
1	145	142	139	136	112	96	87	71	52	48	52
2	37	36	36	35	30	26	23	19	15	13	15
3	7	7	7	6	6	6	5	5	5	5	5
4	10	10	9	8	8	7	7	6	6	6	6
5	21	21	19	18	17	16	15	14	13	12	13
6	35	35	34	33	29	25	22	18	14	13	14
TOTAL ADT	4200	4100	3800	3500	3100	2800	2600	2300	1900	1800	1900
TOTAL H. COMM. ADT	253	251	244	236	202	176	159	133	105	97	105
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 2

FOR

T.H. 97 S.P. 8212 LENGTH -- MILESCOUNTY Washington LOCATION T.H. 61 to T.H. 95

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 13 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13									
0	1334	1426									
1	31	35									
2	8	10									
3	4	4									
4	5	5									
5	9	10									
6	9	10									
TOTAL ADT	1400	1500									
TOTAL H. COMM. ADT	66	74									
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

Basic Data, Method, and Assumptions

The 1985 ADT and DHV are transmitted in SPAR M-76 on December 8, 1971.

Total heavy commercial ADT agrees with the System 14 heavy truck study. Vehicle type distributions are based on counts from roads with similar characteristics and ADT.

The 1985 heavy commercial volumes in this report may be expanded from 1985 to 1992 by 21 percent.